



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2020-0805
Application: New TGAI Product Chemistry, New Source Same Registrant
Product: Fluoxastrobin Technical Fungicide
Registration Number: 30407
Active ingredient (a.i.): Fluoxastrobin
PMRA Document Number: 3223349

Purpose of Application

The purpose of this application was to add a new manufacturing site for the technical product, Fluoxastrobin Technical Fungicide.

Chemistry Assessment

Common Name: fluoxastrobin
IUPAC* Chemical Name: 2-{{6-(2-chlorophenoxy)-5-fluoropyrimidin-4-yl}oxy}phenyl 5,6-dihydro-1,4,2-dioxazin-3-yl ketone *O-(E)*-methyloxime
CAS† Chemical Name: (1*E*)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)methanone *O*-methyloxime

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Fluoxastrobin Technical Fungicide has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	95.76%
Odour	Slight characteristic odour
Density	1.37 – 1.47 g/mL
Vapour pressure	8.72×10^{-10} Pa (25°C)
pH	6.3 (1% solution)
Solubility in water	2.3 mg/L

Property	Result
n-Octanol/water partition coefficient	$\log K_{ow} = 2.86$

The required chemistry data for Fluoxastrobin Technical Fungicide have been provided, reviewed, and found to be acceptable.

Health, Environmental and Value Assessments

Health, environmental and value assessments were not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the addition of the new manufacturing site for Fluoxastrobin Technical Fungicide.

References

PMRA Document Number	Reference
3096869	2020, The Manufacturing Process of Fluoxastrobin Technical, DACO: 2.11.2,2.11.3,2.11.4 CBI
3096876	2019, Method Validation of Fluoxastrobin Technical Grade Active Ingredient (TGAI) to Determine % Fluoxastrobin and to Quantify its Associated Impurities, DACO: 2.13.1,2.13.2,2.13.4
3096877	2019, Analysis of Five Representative Production Batches of Fluoxastrobin Technical Grade Active Ingredient (TGAI) to Determine % Fluoxastrobin and to Quantify its Associated Impurities, DACO: 2.13.2,2.13.3,2.13.4 CBI

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